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WHAT IS CLAIMED IS:

1 1. A method for reducing the number of
2 HIV-infected cells of a host, comprising:
3 exposing the HIV-infected cells or cells
4 susceptible to HIV infection to a V region selective element
5 (VRSE) which binds to a T cell receptor (TCR) of a V region
6 defined family (VRDF) associated with HIV infection, wherein
7 the VRSE inhibits said infected or infection-susceptible host
8 cell viability.

1 2. The method of claim 1, wherein the VRSE is an
2 antibody or binding fragment thereof.

1 3. The method of claim 2, wherein the antibody is
2 a monoclonal antibody or binding fragment thereof.

1 4. The method of claim 1, wherein the VRSE is
2 fused to a toxin to form a toxin-VRSE conjugate.

1 5. The method of claim 1, wherein the host cells
2 are exposed to the VRSE outside of the host.

1 6. The method of claim 1, wherein the host cells
2 are contacted with the VRSE-toxin in the host.

1 7. The method of claim 1, further comprising the
2 step of:

3 expanding a population of T cells of said host
4 which are not susceptible to HIV infection by contacting
5 uninfected T cells of the host with a different VRSE that is
6 not complementary to TCR of the VRDF associated with HIV
7 infection and which is complementary to the TCRs of said
8 population of T cells not susceptible to HIV infection.

1 8. The method of claim 7, wherein the different
2 VRSE not complementary to the TCR of the VRDF which is
3 associated with HIV infection is an antibody or binding
4 fragment thereof.

1 9. The method of claim 7, wherein the uninfected
2 host cells are contacted outside of the host with the
3 different VRSE not complementary to TCRs of the VRDF family
4 which are associated with HIV infection.

1 10. The method of claim 7, wherein the uninfected
2 host cells are contacted in the host with the different VRSE
3 not complementary to TCRs of the VRDF family which are
4 associated with HIV infection.

1 11. The method of claim 1, wherein the step of
2 exposing the HIV-infected cells or cells susceptible to HIV
3 infection with the VRSE is repeated over intervals sufficient
4 to provide an ongoing depletion of HIV-infected cells in the
5 host.

1 12. The method of claim 11, further comprising
2 maintaining or expanding a population of T cells of said host
3 which are not susceptible to HIV infection by repeatedly
4 contacting T cells of the host with a different VRSE that is
5 not complementary to TCR of the VRDF associated with HIV
6 infection and which is complementary to the TCRs of said
7 population of T cells not susceptible to HIV infection.

1 13. A composition which comprises a VRSE-toxin for
2 reducing the number of HIV infected or HIV infection
3 susceptible cells of a mammalian host, wherein the VRSE binds
4 to a TCR of a VRDF associated with HIV infection, wherein the
5 VRSE-toxin inhibits the viability of an HIV infected or
6 infection susceptible mammalian host cell.

1 14. The composition of claim 13, wherein the VRSE
2 which binds to the TCR of a VRDF associated with HIV infection
3 is a monoclonal antibody or binding fragment thereof.

1 15. The composition of claim 13, wherein the VRSE
2 which binds to the TCR of a VRDF associated with HIV infection
3 comprises an HIV polypeptide selected from gp41, gp120, p24 or
4 nef or a TCR binding fragment of said polypeptide.

1 16. The composition of claim 13, wherein the toxin
2 which inhibits the viability of the HIV infected mammalian
3 host cell is an inhibitor of mammalian protein synthesis.

1 17. The composition of claim 13, wherein the
2 VRSE-toxin is a fusion protein.

1 18. The composition of claim 13, wherein the VRSE
2 and toxin are chemically linked.

1 19. A method for deleting HIV susceptible T cells
2 in a host, comprising:
3 administering to the host a composition which
4 comprises a TCR or antibody or binding fragment thereof which
5 specifically recognizes HIV in an amount and formulation
6 sufficient to induce an immune response which specifically
7 inhibits the viability of said HIV susceptible cells.

1 20. The method of claim 19, wherein gp120 of HIV
2 is specifically recognized by said TCR or antibody.

1 21. The method of claim 20, wherein the V3 loop of
2 gp120 of HIV is specifically recognized by said TCR or
3 antibody.

1 22. A method for diagnosing in a subject a disease
2 or condition, or a predisposition for contracting a disease or
3 condition, comprising detecting serologically in the subject
4 antibodies associated with the disease or condition and that
5 are substantially absent in healthy persons.

1 23. A method for treating a disease or condition
2 in which the lymphocyte repertoire is abnormal, which method
3 comprises administering a substance that reacts with
4 antibodies that are associated with the disease or condition
5 and that are substantially absent in healthy persons.

1 24. The method of claim 23, in which the substance
2 used for treatment is an antibody, an antibody coupled to a
3 toxin, or an antibody binding fragment coupled to a toxin.

1 25. The method of claim 23, in which the disease
2 or condition is an autoimmune disease, cancer, or allergy.

1 26. A method for preventing a disease or
2 condition in an individual in which the lymphocyte repertoire
3 is abnormal, comprising immunizing the individual with a
4 substance that induces an immune response against antibodies
5 present in individuals with the disease and substantially
6 absent in healthy people.

1 27. The method of claim 26, in which the substance
2 used is an antibody, an antibody binding fragment, or an agent
3 with a shape sufficiently similar to said antibodies that they
4 induce an immune response that reacts with said antibodies.

1 28. The method of claim 26, in which the disease
2 is an autoimmune disease, cancer, allergy or immunity to a
3 graft.